

Application Serial Number 10/028,382
Response to Office Action
Dated July 7, 2006

1. Amendments to the Claims:

A listing of the entire set of pending claims (including amendments to the claims, if any) is submitted herewith per 37 CFR 1.121. This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (Previously Presented) A hashing system, comprising:
a plurality of hash devices,
each hash device of the plurality of hash devices being configured to receive a sequence of data values and apply a hash function to the received sequence of data values when enabled, said hash function being the same in said each hash device; and
at least one comparator, operably coupled to the plurality of hash devices, that is configured to compare an output of each hash device to a source hash value, to facilitate a verification of the sequence of data values.
2. (Original) The hashing system of claim 1, wherein
each device is enabled sequentially.
3. (Previously presented) The hashing system of claim 1, wherein
said each hash device is enabled to receive and process K data values,
and
the plurality of hash devices corresponds to K hash devices.
4. (Previously presented) A method of determining a correspondence between a sequence of received data values and a source, based on a source hash value that corresponds to a subset of source data values, the method comprising:

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selectively enabling one or more hash elements of a plurality of hash elements upon the occurrence of each data value of the sequence of received data values, each of the hash elements comprising a hash function;

hashing each data value with the same said hash function to produce a determined hash value corresponding to each of the one or more hash elements, and

comparing each determined hash value to the source hash value to determine the correspondence between the sequence of received data values and the source.

5. (Original) The method of claim 4, wherein

selectively enabling the one or more hash elements includes sequentially enabling each of the one or more hash elements.

6. (Previously presented) The method of claim 4,

further comprising enabling each of the hash elements to receive and process K data values, and the plurality of hash elements correspond to K hash elements.